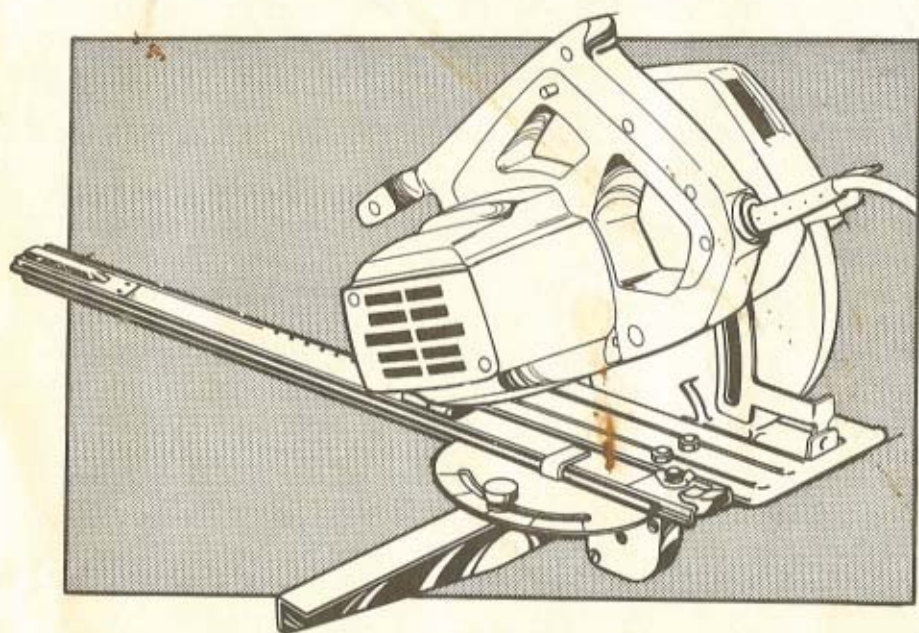




Portalyn®

Precision for Portable Power Tools™

SAW GUIDE



OWNER'S MANUAL

Model 201A

SAFETY RULES

READ CAREFULLY BEFORE USING THE SAW GUIDE

1. Read the entire owner's manual before using the Saw Guide.
2. Observe all safety rules and operating instructions included with your saw.
3. Disconnect all electrical power to the saw before attaching or removing the Saw Guide or before making any adjustments or changing any parts on the saw or Saw Guide.
4. Keep all guards and protective devices on the saw in place and in working order. Make sure that the lower blade guard on your saw functions correctly.
5. Use caution when releasing the lock hook on the Saw Guide. This activates the slide assembly, causing it to spring apart. Before releasing the lock hook, hold the inner and outer slide firmly, then allow it to release slowly.
6. Before beginning any cutting operation, make sure the Saw Guide is securely fastened to the saw.
7. Before beginning any cutting operation, make sure the angle indicator knob is securely tightened.
8. Use safety glasses. Also use a face or dust mask if the operation is dusty.
9. If cutting becomes difficult, do not force the system. Unplug the saw and check to determine the cause.
10. Keep hands and body out of the path of the Saw Guide and saw during cutting operations.
11. Keep the Saw Guide maintained in good working condition as outlined in the manual. Do not use the guide if it does not function properly.
12. If you drop the tool, unplug the saw and check for damage. Make sure the saw and the Saw Guide operate freely, and that all guards are in place and operable.
13. This Saw Guide is to be used as an attachment for a portable power circular saw. Do not use it for any other purpose.
14. Keep the Saw Guide away from children and others not familiar with its operation.
15. Always hold the angle fence firmly against the work piece during cutting operations.

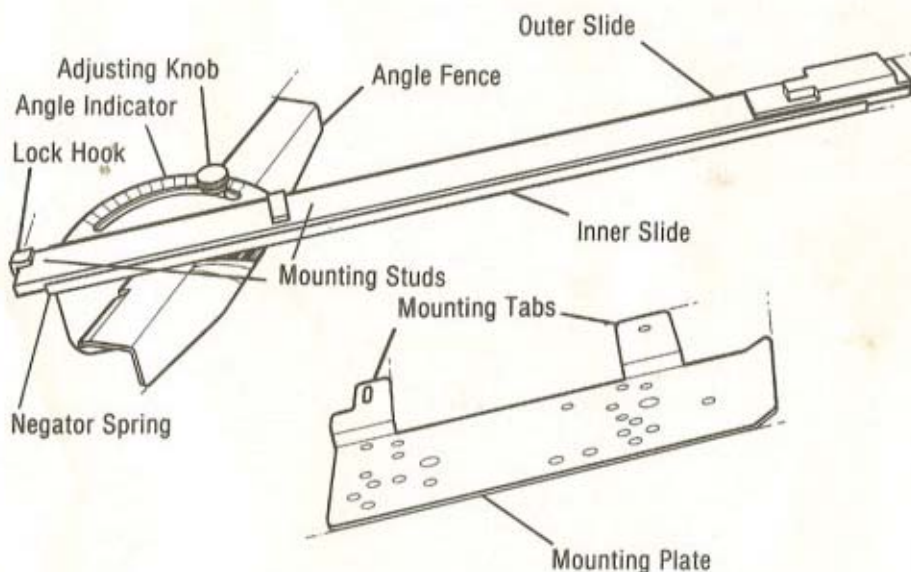
INTRODUCTION

Your new Saw Guide allows you to use your portable power circular saw for jobs that normally require the accuracy of a radial arm saw. For example, perfect miters for picture frames or floor moldings are fast and easy. Shelving units and wall cabinets can have neat, professional dado-type joints. Now you can make consistent parallel cuts - no mistakes! And, your new Saw Guide is completely portable - take it anywhere!

Your owner's manual is designed to help you use your Saw Guide in the most efficient manner. By following these simple directions and observing the safety rules, you will get maximum benefit from your new Saw Guide.

If you should have any questions or problems, please call or write Portalign Tool Corporation, P.O. Box A-80547, San Diego, Ca. 92138; (714) 297-7750. P.O. Box A-80547, San Diego, Ca., 92138; (714) 297-7750.

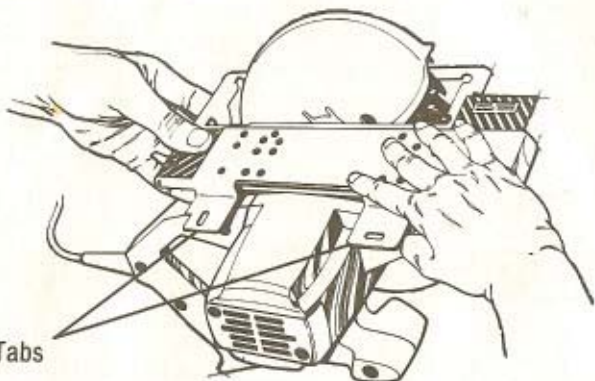
SAW GUIDE PARTS DIAGRAM



HOW TO INSTALL

In order to install the Saw Guide, you will need to drill holes in the shoe of your saw. This will not damage the saw nor interfere with its operation. Once it is attached the mounting plate will remain on the saw at all times!

1. Position Mounting Plate

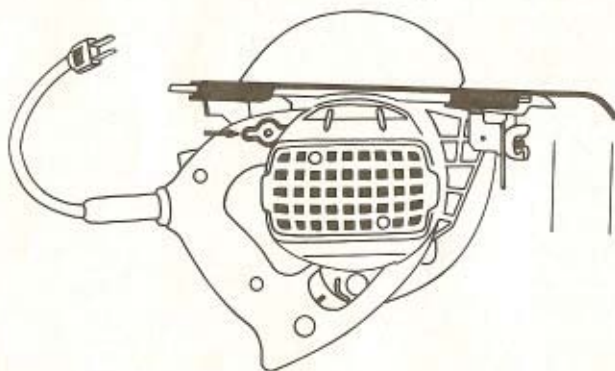


Mounting Tabs

Make sure the saw is unplugged.

Turn the saw upside down.

Place the Saw Guide mounting along the edge of the saw shoe with the mounting tabs straddling the saw motor housing.



In order to make sure the position of the Saw Guide mounting plate does not interfere with the operation of the saw, check the following:

The mounting plate should extend just far enough beyond the front of the saw shoe so that it is flat against the shoe. Make sure it is no farther forward than necessary, since the cutting reach is reduced if the mounting plate extends too far forward.

Many saws have an area at the front of the saw shoe which is designed for a rip fence guide. Make sure the front tab of the mounting plate will not interfere with it. If it does, move the mounting plate forward until there is sufficient clearance.

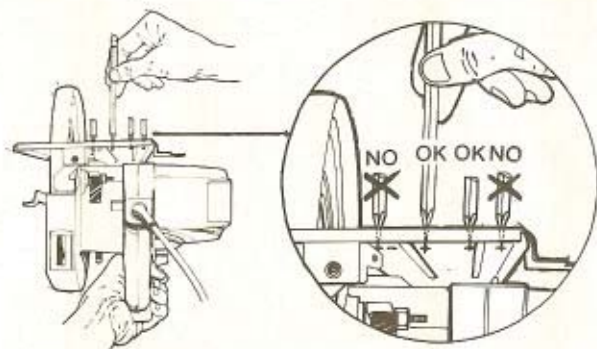
The mounting plate must be positioned so that it does not extend past the inner edge of the saw shoe (the edge nearest the blade guard). This will allow full bevel cuts.

The mounting plate must be positioned so that the bevel adjustment and depth adjustment controls can be turned freely. If there is a problem, you can move the mounting plate forward and/or outward until there is sufficient clearance.

Once the mounting plate is properly positioned, temporarily secure it to the saw shoe with tape. (If the tape does not adhere, wipe the area clear of oil and dust.)

Recheck the position of the mounting plate for the clearances listed above. If necessary, loosen the tape, readjust the location of the mounting plate and then re-attach it with tape.

2. Select and Mark Mounting Hole Locations



Examine the hole pattern in the mounting plate in order to select four widely spaced mounting holes that are on a flat area of the saw shoe. If four holes cannot be located, three will suffice, so long as two are at one end of the mounting plate and one at the other.

For each hole selected, make sure the path of the mounting stud which will be inserted in the hole, and the nut that fastens it, will be clear of the following:

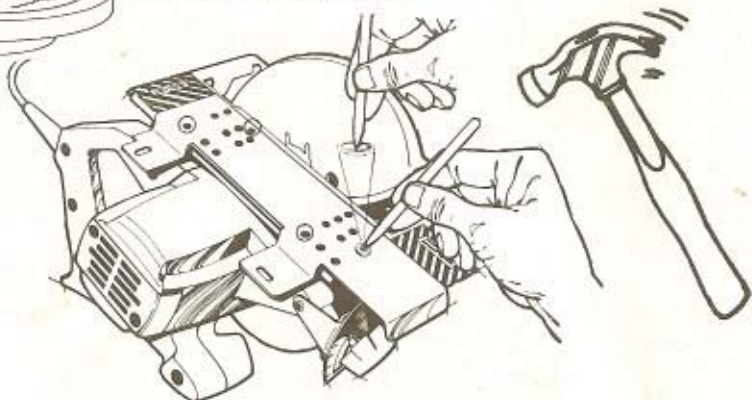
1. Any adjustment controls or brackets on the saw.
2. Any parts of the saw motor housing or handle.
3. Any edges of the saw shoe.

To do this, hold the saw shoe at eye level. Sight along the underside of the saw shoe to the location of the mounting holes you have selected. As a reference to the location of the holes place a pencil point or your finger in the center of the mounting hole position. If a bracket or other obstruction is near, try another hole. If you cannot find at least three suitable mounting hole locations, you will need to reposition the mounting plate outward or forward until the problem is corrected.

When the proper mounting holes have been selected, mark them on the mounting plate so they'll be easy to identify.

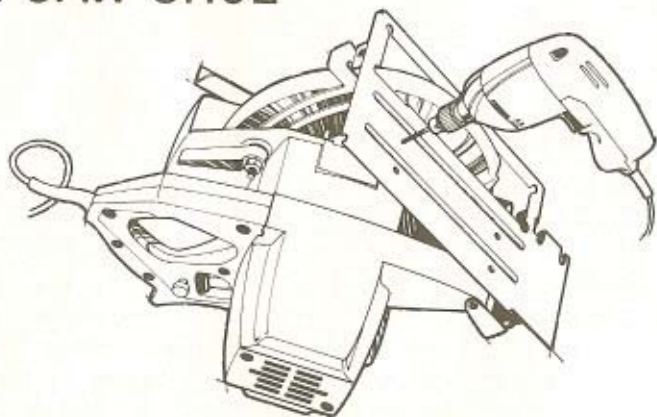


Plastic Hole Center Locator



Next, use the black plastic "hole center locator" which is supplied with the mounting hardware to mark the exact center of the selected hole positions onto the saw shoe. A clear mark can be made by inserting a centerpunch in the hole center locator and striking it with a hammer. This also provides the starting hole for your drill.

3. DRILL MOUNTING HOLES IN SAW SHOE



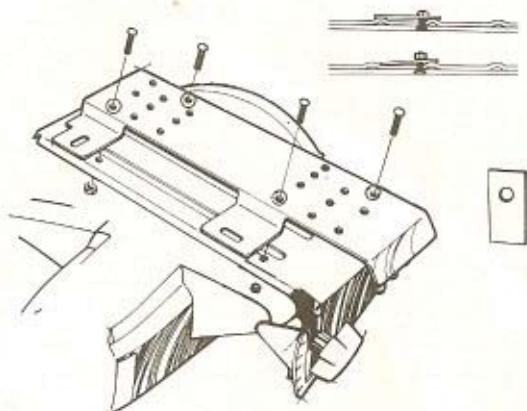
REMOVE THE MOUNTING PLATE FROM THE SAW SHOE BEFORE DRILLING ANY HOLES. You must do this because the holes in the mounting plate are precisely sized to hold the mounting studs.

Loosen the depth adjustment knob on the saw and raise the saw shoe to provide maximum clearance between the shoe and the motor housing.

Retighten the depth adjustment knob.

Use a $\frac{1}{4}$ inch (.25") drill bit in an electrical drill and carefully drill through the centerpunched locations. When the drill bit breaks through the saw shoe, stop drilling immediately to avoid damage to the saw motor housing or other saw parts.

4. ATTACH MOUNTING PLATE TO SAW

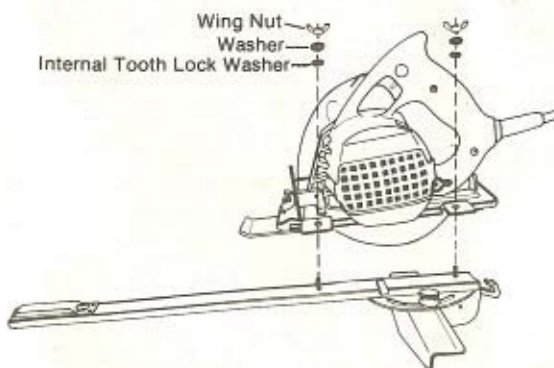


Lay the saw on its side with the blade side down. Open the bevel adjustment to maximum degrees and extend the saw shoe to its full open position for easy access.

Align the proper holes in the plate with those in the saw shoe. Insert the studs through the holes. If a stud happens to be adjacent to a rib in the saw shoe it may tilt when the nut is tightened. To solve this problem, use the bridge hardware to properly align the stud. (See illustration - two bridges are included.)

Assemble the nuts and tighten with a 3/8 inch wrench. Tighten until the heads of the studs are flush with the surface of the mounting plate. **DO NOT OVERTIGHTEN.**

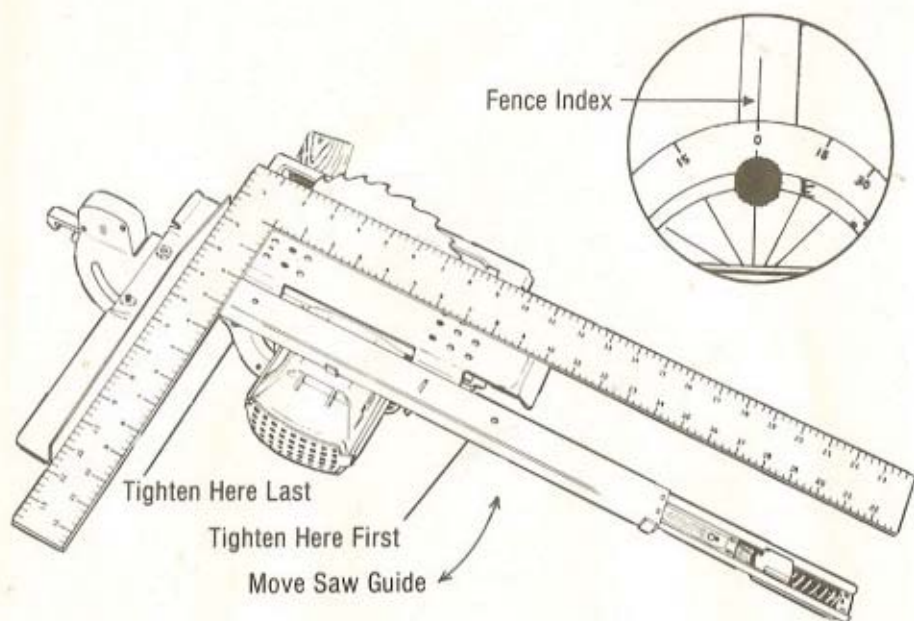
5. ATTACH SAW GUIDE TO MOUNTING PLATE



Remove the red protective nipples from the mounting studs on the saw guide.

Insert the mounting studs through the holes in the mounting plate tabs and fasten with wing nuts, washers, and internal tooth lock washers **IN THE ORDER SHOWN** in the illustration.

6. ALIGN SAW GUIDE AND SAW BLADE



Make sure the saw is unplugged and that the wing nut nearest the back of the saw is loose.

Set the fence index to 0 degrees on the angle indicator. Make sure your eyes are directly over the angle indicator when setting the index to avoid any error due to parallax. Tighten the adjusting knob.

Tighten the front wing nut (the one nearest the front of the saw guide).

Place a carpenter's square (or other square) with one edge against the saw blade. Hold it firmly in place with one hand. Avoid contact with the "set" of the saw blade teeth to insure that the square is flat against the saw shoe and the saw blade. With the other hand, align the fence with the other edge of the square, then tighten the remaining wing nut.

Test to make sure your alignment is correct by making a cut on a piece of scrap lumber. If the cut is not correct, repeat the alignment procedure. If you have difficulty aligning the saw, recheck to make sure the angle indicator is set precisely at 0°.

HOW TO OPERATE

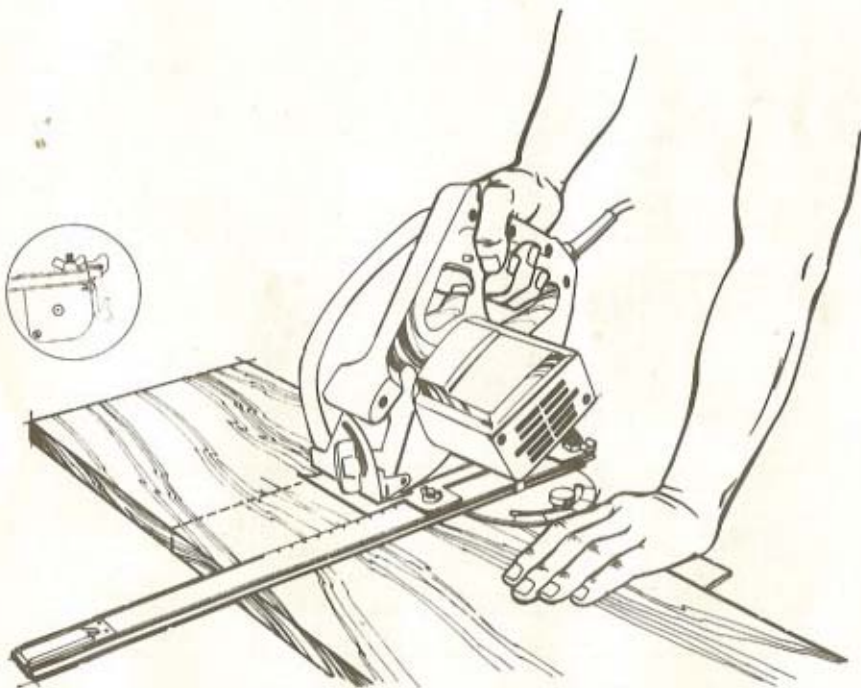
Your Saw Guide allows you to make perfect cuts whether you are making 90° cuts, angle cuts, or dado-type cuts, and certain procedures apply to all.

Before beginning any work, make sure the Saw Guide has been aligned according to the directions already outlined, and that both wing nuts have been properly tightened. Make sure the bevel adjustment on the saw is set for the type of cut you are making and that its adjustment knob is tightened. Set the depth adjustment on the saw for the thickness of the material to be cut. Set the angle indicator on the Saw Guide for the proper angle and tighten its knob.

The position of your hands is the same for all cutting operations. Grip your saw handle with your right hand. Place your left thumb against the edge of the fence and the fingers of your left hand on the work piece. Use your thumb to hold the fence firmly against the work piece. This will prevent any side movement of the tool.

In order to become comfortable with the tool you may want to practice different cuts on scrap material.

1. TO MAKE SQUARE (90°) CUTS

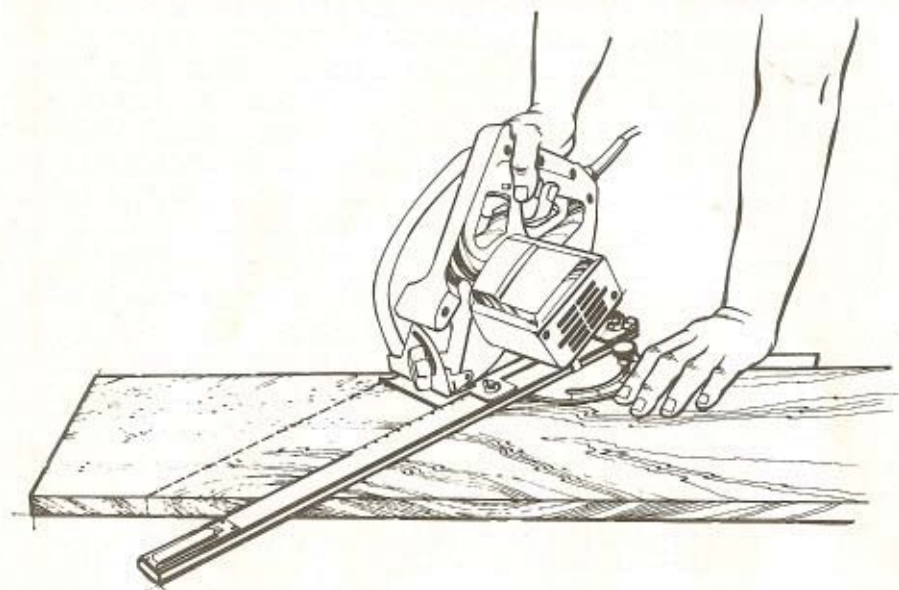


Measure and mark the location of the cut.

Set the fence at 0°.

Release the lock hook at the back of the Saw Guide. Position the saw so that the fence is firm against the work piece. Align the saw blade with the position of the desired cut. Make the cut.

2. TO MAKE ANGLE CUTS

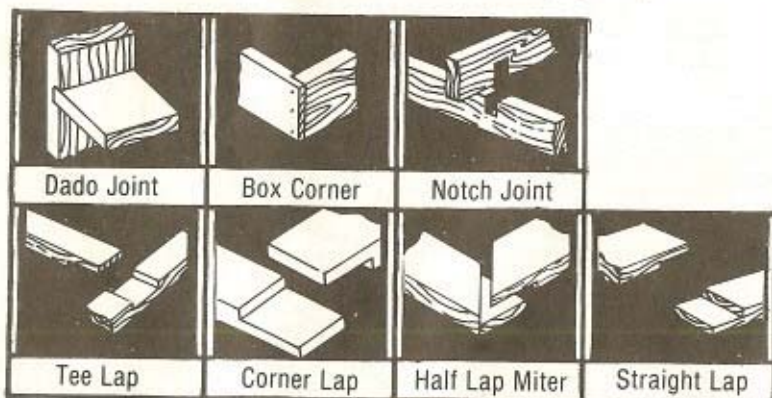


Measure and mark the location of the cut.

Loosen the adjusting knob on the angle indicator. Rotate the fence to the desired angle. Tighten the adjusting knob. Release the lock hook at the back of the Saw Guide. Keep the fence firm against the work piece.

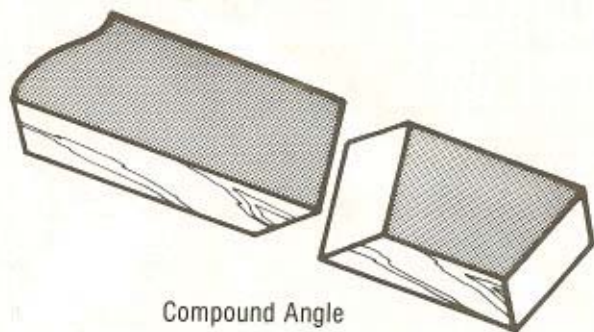
Make the cut.

3. TO MAKE DADO-TYPE CUTS



To make a dado, mark the width of the cut on the work piece. Set the saw for the desired depth of cut, usually half the thickness of the work piece. Begin the cut on the RIGHT-HAND SIDE. This will keep the blade guard from catching in the cut as you widen it. Make repetitive cuts moving from right to left. Take care not to make the cut too wide. Any cut marks remaining in the bottom of the dado may be removed with a chisel or by sanding.

4. TO MAKE COMPOUND ANGLE CUTS



Compound Angle

Set the saw to the required bevel angle and set the angle indicator on the Saw Guide to the desired angle. Make sure both knobs are tight. Make the cut. This cut is used for items like planter boxes and picture frames.

RECOMMENDED MAINTENANCE

Check periodically during use to see that the slide mechanism on the saw guide is clear of sawdust, dirt and other obstructions. When you are finished using the Saw Guide, use a brush to clean away all sawdust. Extend the slide assembly and remove all sawdust from the negator spring.

The alignment procedure should be followed each time the Saw Guide is reattached to the saw. It is also a good idea to check the alignment before beginning to use the Saw Guide after a period of non-use.

HOW TO REMOVE SAW GUIDE

The mounting plate for the Saw Guide should remain permanently attached to the saw. The Saw Guide itself can be removed simply by removing the wing nuts and washers from the tabs.

HELPFUL HINTS

If you have any difficulty in reading the angle indicator, apply some white paint to it with a rag or brush. Before the paint dries, wipe it off with a rag. This will leave the recessed numbers white.

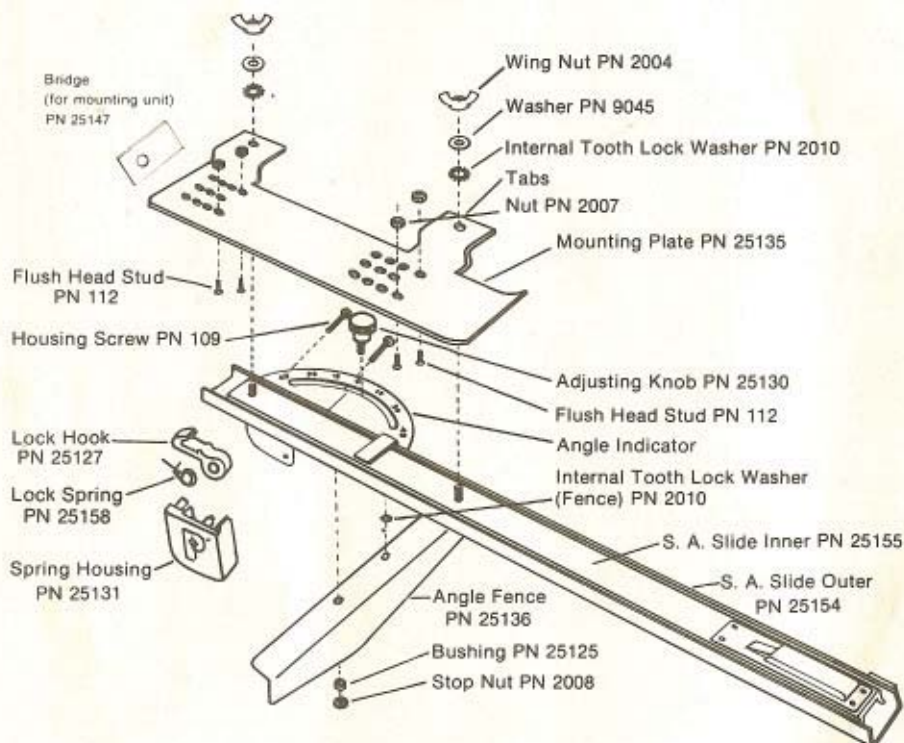
In making dado-type cuts, initially, you may have difficulty keeping the Saw Guide completely level. To help, place a block of material the same thickness as your work piece under the front of the Saw Guide. This will keep it level. As you become more comfortable using the tool, you will find that you no longer need it.

HOW TO ORDER PARTS

All parts listed herein may be ordered through PORTALIGN TOOL CORPORATION. When ordering parts by mail, selling prices will be furnished on request or parts will be shipped at prevailing prices, C.O.D.

When ordering parts, always give the following information:

1. NAME OF PRODUCT
2. MODEL NO.
3. PART NO AND DESCRIPTION



Mail order to:



Portalign®
Precision for Portable Power Tools™

TOOL CORPORATION

P.O. Box A-80547
San Diego, CA 92138-0547
(714) 297-7750

You may wish to order an extra Mounting Plate and mounting hardware for a second saw, and use the same Saw Guide for both.

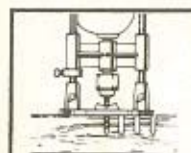


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PRECISION DRILL GUIDE

Portability with drill press accuracy



DRILLING TO SURFACE WITH
UNIFORM DEPTH STOP



ANGLE DRILLING
WITH DEPTH STOP



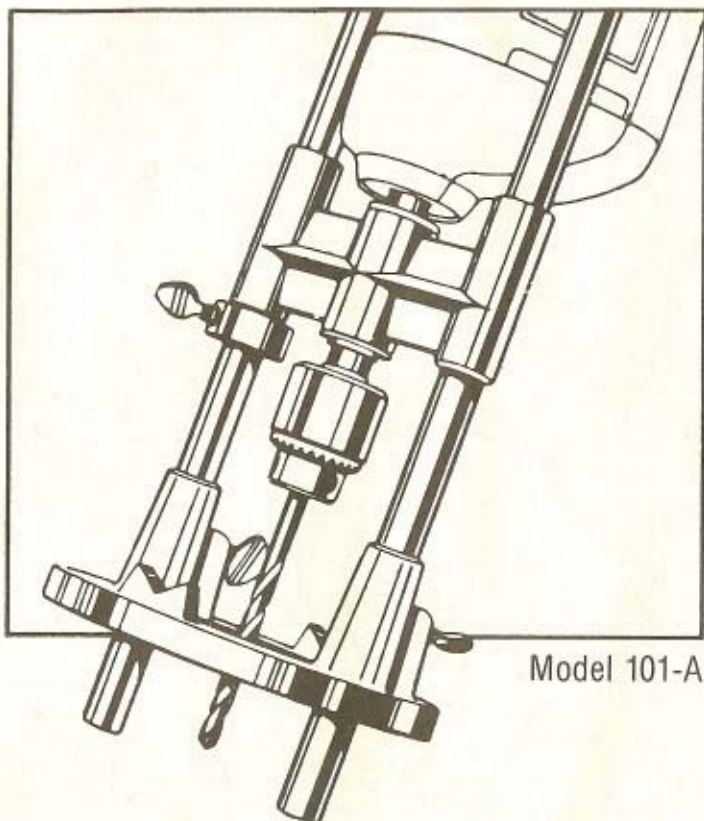
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DRUM SANDING



EDGE SANDING



Model 101-A

MAKES THESE JOBS EASY

- Depth Control
- 90° Drilling
- Angle Drilling
- Automatic Centering
- Drilling Round Stock
- Countersinking

ADDS NEW CAPABILITIES

- Hole Saw Boring
- Drum Sanding
- Routing
- Shaping
- Carving
- Grinding

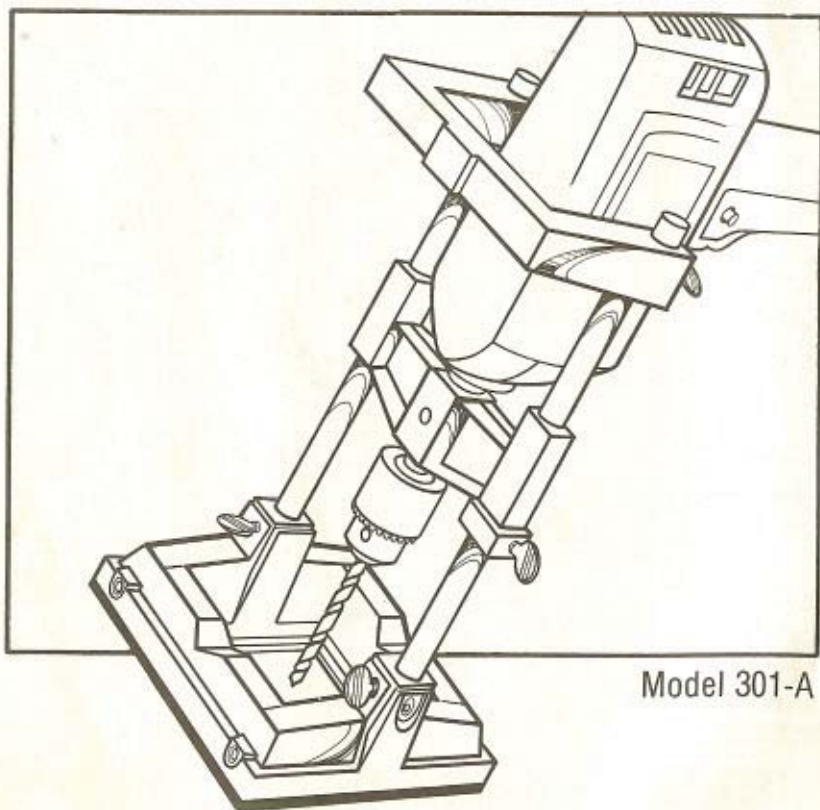


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Precision for Portable Power Tools™

DELUXE DRILL GUIDE

All the benefits of our
standard drill guide plus



Model 301-A

- Large Square Base for added stability
- Accommodates drill motors up to 3½" wide
- Convenient handle for carrying and bench top mounting
- Longer guide rods for greater versatility
- Fits ¼" and ⅜" and ½" drill motors with a ⅜"-24 threaded shaft

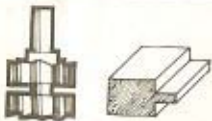
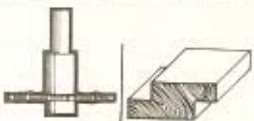

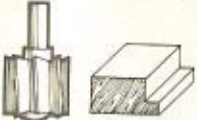
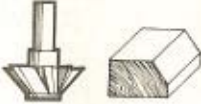

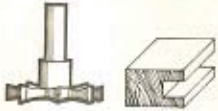

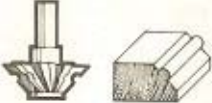


Portalyn®

Precision for Portable Power Tools™

LOW SPEED SHAPER BITS

May be used with the Portalyn Precision Drill Guides, radial arm saws, drill presses, and other motors with speeds under 4,000 RPM

 #59 Tongue	 #64 Cut off	 #67 Cove
 #60 Mill	 #65 Chamfer	 #68 Hollow bead
 #61 Slot	 #66 Round	 #69 Bead



HERE'S WHAT YOU CAN DO WITH PORTALYN SHAPER BITS

- Decorative edging on plaques
- Fancy moldings for picture frames
- Tongue and groove joints for furniture
- Dado cuts for drawer guides
- Edge milling for butt joints

ONE YEAR LIMITED WARRANTY

Portalign tools are warranted against any defects in workmanship or materials for a period of one (1) year from the date of original purchase. Portalign will, at its option, repair or replace any tool which proves to be defective in workmanship or materials within the warranty period. Repairs which are required because of abuse, misuse, alterations, damage or repair attempts by others are not covered by this warranty.

Return any part or any tool requiring warranty service, transportation prepaid, to Portalign Tool Corporation for prompt repair or replacement. Be certain to include your name and address, evidence of purchase date and a description of the tool's malfunction.

THE FORGOING OBLIGATION IS PORTALIGN'S SOLE LIABILITY UNDER THIS OR ANY IMPLIED WARRANTY AND UNDER NO CIRCUMSTANCES SHALL PORTALIGN BE LIABLE FOR ANY ACCIDENTAL OR CONSEQUENTIAL DAMAGES. (NOTE: Some states do not allow limitation or exclusion of incidental or consequential damages so the above limitation or exclusion may not apply to you.)

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Send to:



Portalign

Precision for Portable Power Tools™

TOOL CORPORATION

4909 Pacific Highway, San Diego, CA 92110-4096

P.O. Box A-80547, San Diego, CA 92138-0547

(714) 297-7750